## (19) World Intellectual Property Organization

International Bureau



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(43) International Publication Date 23 December 2004 (23.12.2004)

## (10) International Publication Number WO 2004/110997 A1

(51) International Patent Classification7: C07D 207/26. 403/10, 417/12, 417/14, A61K 31/402, 31/4025, A61P

(21) International Application Number:

PCT/EP2004/006604

(22) International Filing Date: 17 June 2004 (17.06.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0314369.0 0405774.1

19 June 2003 (19.06.2003) GB 15 March 2004 (15.03.2004)

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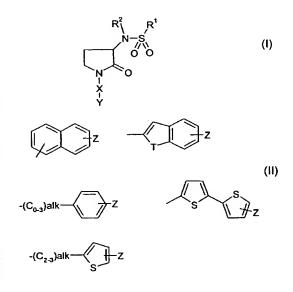
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

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(54) Title: 3- SULFONYLAMINO- PYRROLIDINE- 2- ONE DERIVATIVES AS INHIBITORS OF FACTOR XA



(57) Abstract: The invention relates to compounds of formula (I): wherein: R1 represents a group selected from: formula (II), each ring of which optionally contains a further heteroatom N, Z represents an optional substituent halogen, alk represents alkylene or alkenylene, T represents S, O or NH; R2 represents hydrogen, -C1.6alkyl, -C1.3alkyl- $CONR^aR^b$ ,  $-C_{1-3}alkylCO_2C_{1-4}alkyl$ ,  $-CO_2C_{1-4}alkyl$  or -C1-3alkylCO2H; Ra and Rb independently represent hydrogen, -C<sub>1-6</sub>alkyl, or together with the N atom to which they are bonded form a 5-, 6- or 7- membered non-aromatic heterocyclic ring optionally containing an additional heteroatom selected from O, N or S, optionally substituted by C1-alkyl, and optionally the S heteroatom is substituted by O, i.e. represents S(O)<sub>n</sub>; n represents 0-2; X represents phenyl or a 5- or 6- membered aromatic heterocyclic group containing at least one heteroatom selected from O, N or S, each of which is optionally substituted by 0-2 groups selected from: halogen, -C<sub>1-4</sub>alkyl, -C2.4alkenyl, -CN, -CF3, -NRaRb, -C0.4alkylORc, -C(O)Rf and -C(O)NRaRb; Re represents hydrogen or -C1-6alkyl; Rf represents -C1-6alkyl; Y represents

a group -C(R<sup>x</sup>)(R<sup>2</sup>)C<sub>0-2</sub>alkylNR<sup>c</sup>R<sup>d</sup>; Rx represents C<sub>1-4</sub>alkyl optionally substituted by halogen (e.g. CF<sub>3</sub>, -CH<sub>2</sub>CF<sub>3</sub>); R<sup>z</sup> represents hydrogen or C<sub>1-4</sub>alkyl optionally substituted by halogen (e.g. CF<sub>3</sub>, -CH<sub>2</sub>CF<sub>3</sub>); R<sup>c</sup> and R<sup>d</sup> independently represent hydrogen, -C<sub>1-6</sub>alkyl, -C<sub>1-4</sub>alkylOH, or together with the N atom to which they are bonded form a 4-, 5-, 6- or 7- membered non-aromatic heterocyclic ring, the 5-, 6- or 7- membered non-aromatic heterocyclic ring optionally containing an additional heteroatom selected from O, N or S, optionally substituted by C<sub>1.4</sub>alkyl; and/or pharmaceutically acceptable derivative thereof. The invention also relates to processes for the preparation of compounds of formula (I), pharmaceutical compositions containing compounds of formula (I) and to the use of compounds of formula (I) in medicine, particularly in the amelioration of a clinical condition for which a Factor Xa inhibitor is indicated.

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